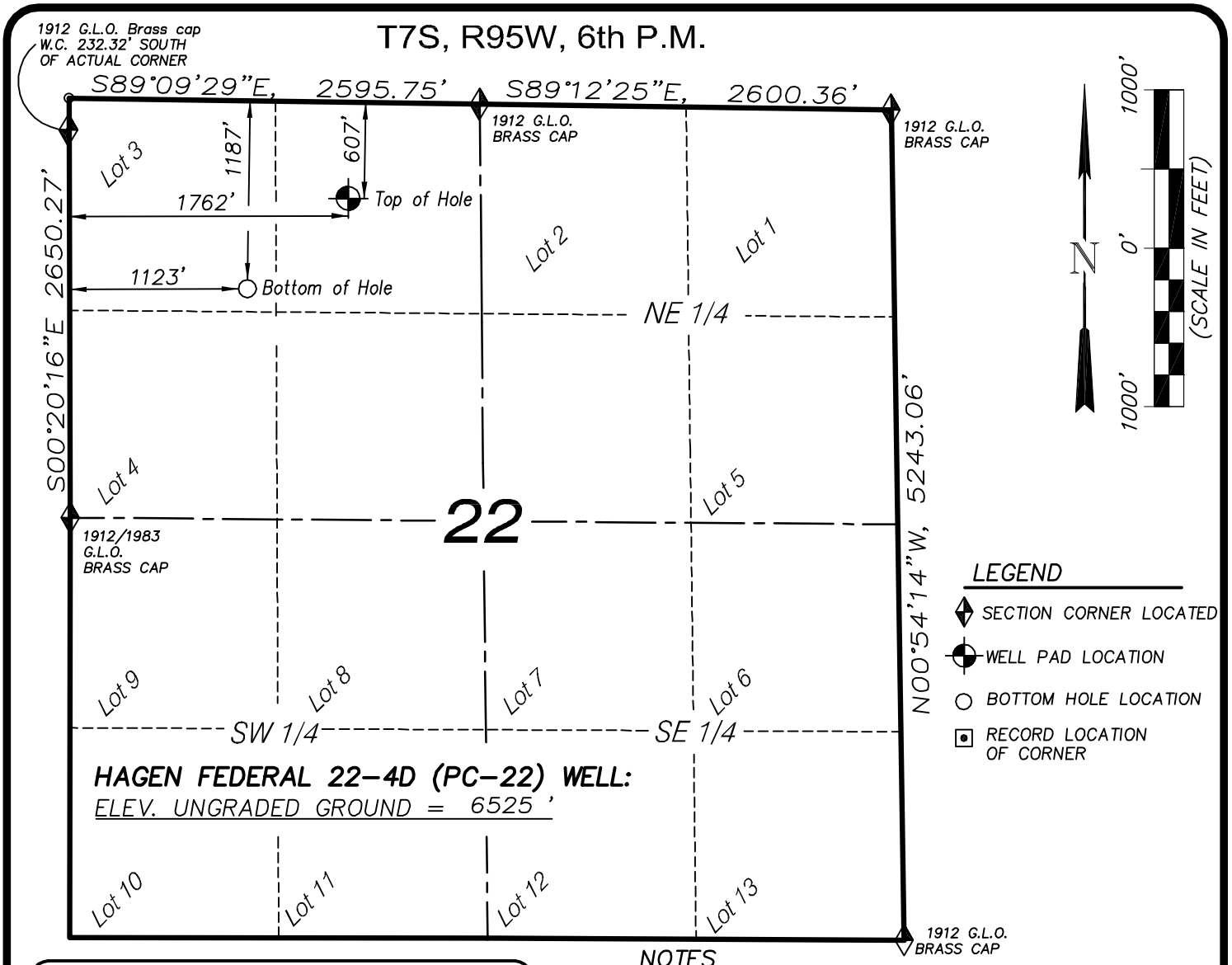

HAGEN FEDERAL 22-4D WELL (PC-22)
(WELLHEAD LOCATION) NAD 83
LATITUDE = 39.428595° N
LONGITUDE = 107.986533° W
(BOTTOM HOLE LOCATION) NAD 83
LATITUDE = 39.427024° N
LONGITUDE = 107.988778° W

CERTIFICATE OF SURVEYOR

I, TED TAGGART OF FRUITA, COLORADO HEREBY CERTIFY THAT THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECTION FOR ENCANA OIL & GAS (USA) INC. AND THAT THIS LOCATION HAS BEEN STAKED ON THE GROUND AS SHOWN HEREON.

COLORADO REGISTERED TED T. TAGGART 1/21/13 37075 PROFESSIONAL LAND SURVEYOR

Ted T. Taggart

NOTES

1. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO SECTION LINES.
2. BASIS OF BEARING: GEODETIC- BASED ON GPS OBSERVATIONS.
3. ELEVATIONS BASED ON GPS OBSERVATIONS, NAVD 88 (GEOID 03), POST PROCESSED USING NGS OPUS.
4. THE BOTTOM HOLE BEARS S48°07'41"W, 854' FROM TOP OF HOLE.
5. SEE ADDENDUM TO LEGAL PLAT (SHEET 1v) FOR VISIBLE IMPROVEMENTS WITHIN 400 FEET OF THE PROPOSED OIL & GAS LOCATION.
6. CONTROL FOR SURVEY WAS ESTABLISHED USING DIFFERENTIALLY CORRECTED GPS FROM AN OPUS BASED CONTROL NETWORK. WELL LOCATION WAS ESTABLISHED USING NON-GPS CONVENTIONAL METHODS, THEREFORE NO PDOP READING WAS TAKEN.

MAP to ACCOMPANY
APPLICATION for PERMIT to DRILL

Encana Oil & Gas (USA) Inc.

Hagen Federal 22-4D (PC-22) Well

NE1/4 NW1/4, SECTION 22
T7S, R95W, 6th P.M.
GARFIELD COUNTY, COLORADO

WASATCH SURVEYING
906 Main Street
Evanston, Wyoming 82930
Phone No. (307) 789-4545

Location Plat		Scale: 1" = 1000'		SHEET
Project No.	07-04-103	Date Surveyed:	9/27/07	1g
Date Drawn:	1/27/08	Latest Revision Date:	1/21/13	OF 10